



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/US95/00299  <b>(22) International Filing Date:</b> 11 January 1995 (11.01.95)  <b>(30) Priority Data:</b> 08/179,964      11 January 1994 (11.01.94)      US 08/208,264      10 March 1994 (10.03.94)      US  <b>(60) Parent Application or Grant</b> (63) Related by Continuation      08/208,264 (CIP) US      10 March 1994 (10.03.94) Filed on  <b>(71) Applicant (for all designated States except US):</b> PROTEIN ENGINEERING CORPORATION [US/US]; 765 Concord Avenue, Cambridge, MA 02138 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> MARKLAND, William [GB/US]; 26 Windsor Road, Milford, MA 01757 (US). LADNER, Robert, Charles [US/US]; 3827 Green Valley Road, Ijamsville, MD 21754 (US).  <b>(74) Agent:</b> COOPER, Iver, P.; Browdy and Neimark, 419 Seventh Street, N.W. #300, Washington, DC 20004 (US).		<b>(81) Designated States:</b> CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>  <b>(88) Date of publication of the international search report:</b> 21 September 1995 (21.09.95)
<b>(54) Title:</b> KALLIKREIN-INHIBITING "KUNITZ DOMAIN" PROTEINS AND ANALOGUES THEREOF		
<b>(57) Abstract</b>  <p>This invention relates to novel BPTI-homologous Kunitz domains, especially LACI homologues, which inhibit one or more plasma (and/or tissue) kallikreins, and to the therapeutic and diagnostic use of these novel proteins. In particular, this invention relates to Kunitz domains derived from Kunitz domains of human origin and especially to the first Kunitz domain of LACI.</p>		